

State of Louisiana
Department of Transportation and Development (DOTD)
Materials and Testing Section Qualification Procedure
For
Qualified Products List 24

RAPID SETTING PATCHING MATERIALS FOR CONCRETE*

* For Department maintenance repairs of Portland cement concrete pavements and bridge decks.

MATERIAL SPECIFICATION REFERENCE:

DOTD Maintenance Specification MS184-001, MS 185-001, and ASTM C-928, modified as indicated herein.

PRELIMINARY REQUIREMENTS:

Louisiana DOTD Qualified Product Evaluation Form

The manufacturer shall submit a standard "Qualified Product Evaluation Form" to the DOTD Materials and Testing Section Coordinator listed below, along with a letter requesting evaluation for the Qualified Products List.

Product Data Sheets

Include product data sheets with all pertinent information relative to the product to be evaluated; including, but not limited to, manufacturer's specifications, typical analysis and a Materials Safety Data Sheet (MSDS).

AASHTO National Transportation Products Evaluation Program (NTPEP)
Product Evaluation Form

The manufacturer shall also submit a standard "AASHTO National Transportation Products Evaluation Program (NTPEP) Product Evaluation Form" to the AASHTO NTPEP Coordinator. Copies are available from NTPEP Coordinator (address listed below). The manufacturer will be contacted by the Coordinator regarding the submission of samples.

TEST REQUIREMENTS:

AASHTO NTPEP

Laboratory results obtained by the AASHTO NTPEP will be used to determine conformance to DOTD Standard Specification.

Any material containing chlorides which exceed a maximum of 0.6 lb./yd³ shall not be accepted.

The address of the contact affiliated with AASHTO NTPEP is:

NTPEP Coordinator
AASHTO National Transportation Products Evaluation Program
444 N. Capitol St. N.W.
Suite 249
Washington, D.C. 20001
Phone: (202) 624-3695 Fax: (202) 624-5806

For detail information, refer to the Operational Procedures of the AASHTO NTPEP available from the coordinator.

Field Evaluation

When the NTPEP laboratory tests indicate satisfactory results, a letter from the Materials Engineer Administrator will be sent to the product manufacturer (copied to the DOTD District 05 Laboratory Engineer listed below) advising the manufacturer to contact the DOTD District 05 Laboratory Engineer for field evaluation arrangement. At the option of the Department, field evaluation may be initiated upon receipt of satisfactory test results obtained from an independent laboratory indicating conformance to specifications.

The Department will require a field evaluation to ensure satisfactory installation and performance of the product prior to placement on the Qualified Products List. The field evaluation will consist of applying the material in a concrete mix as a patch on a trafficked pavement or bridge deck in the field and performance over a period of time (min. 1 year) will be observed. The compatibility of the new material in reference to bond with the old concrete will be a factor in acceptance of the product, along with the ability to remain in place and perform over a period of time. Adequate material will be shipped, at no cost to the Department, for use in three (3) patches approximately 4' x 4' x 3" in size. The manufacturer may be required to furnish or rent a portable concrete mixer in order to mix the product to a uniform consistency. It is also requested that a company representative be present, if possible, to observe placement of material.

Evaluation Time

Minimum field evaluation time - 12 months

GENERAL:

Upon completion of the evaluation, the submitter will be notified in writing concerning the results of the evaluation and whether the product will or will not be added to the Qualified Products List. The Department reserves the right to reevaluate any product at any time.

PROJECT ACCEPTANCE REQUIREMENTS:

Any patching material approved by this procedure may be used without sampling and pretesting provided it is properly identified as the specific material listed on the Qualified Products List. However, sampling and testing before use may be required whenever a product is questionable for any reason.

DISQUALIFICATION:

Any product may be removed from the Qualified Products List should any problem develop concerning formulation, color, application or performance. The Department must be notified in writing of any change in product formulation. Significant changes may require reevaluation of the product.

REQUALIFICATION:

A product, which has been disqualified and removed from the Qualified Products List, will be considered for reevaluation only after submission of a formal request along with acceptable evidence that the problems causing the disqualification have been resolved.

CONTACT PERSONNEL:

DOTD DISTRICT 05 COORDINATOR:

David L. Hodnett, P.E.
District Laboratory Engineer
8010 Desiard Rd.
Monroe, LA 71203
(318) 343-2811

DOTD MATERIALS & TESTING SECTION COORDINATOR:

Khiet H. Ngo, P.E.
Physical Test Engineer
DOTD Materials and Testing Section
5080 Florida Boulevard
Baton Rouge, La. 70806
(225) 248-4134

Approved 03-03-2003

N. D. HOOD, P.E.
MATERIALS ENGINEER ADMINISTRATOR